| Index of Claims |  |  |  |  |  |  |  |  |  |  |  |  |
|-----------------|--|--|--|--|--|--|--|--|--|--|--|--|
|                 |  |  |  |  |  |  |  |  |  |  |  |  |

| Application/Control No. | Applicant(s)/Patent under Reexamination |
|-------------------------|---|
| 10/629,535              | GILL ET AL.                             |
| Examiner                | Art Unit                                |
| Julie Anne Watko        | 2653                                    |

| , | Rejected | _ | (Through numeral)<br>Cancelled |
|---|----------|---|--------------------------------|
| = | Allowed  | + | Restricted                     |

| N | Non-Elected  | <b>A</b> | ` | Appeal   |
|---|--------------|----------|---|----------|
| _ | Interference | C        | 0 | Objected |

|  |          |                 |          |          |          |          | _        |              |                 |            |          |            |          |                 |          | Claim Date |         |          |                 |          |          |          |          |            |          |                 |           |          |          |          |          |          |              |
|--|----------|-----------------|----------|----------|----------|----------|----------|--------------|-----------------|------------|----------|------------|----------|-----------------|----------|------------|---------|----------|-----------------|----------|----------|----------|----------|------------|----------|-----------------|-----------|----------|----------|----------|----------|----------|--------------|
| Clá  | aim      | <u> </u>        | _        | _        | ₽        | ate      | •        |              |                 | _          | $\vdash$ | Claim Date |          |                 |          |            |         |          | <u> </u>        | Cla      | am .     | Date     |          |            |          |                 |           |          |          |          |          |          |              |
| Final  | Original | 12/27/04        | 5/18/05  |          |          |          |          |              |                 |            | .<br>  i | Final      | Original |                 |          |            |         |          |                 |          |          | E C      |          | Original   |          |                 |           |          |          |          |          |          |              |
|  | 1        | +               | N        | $\dashv$ | 7        | 寸        | ┪        | -            | Н               |            | F        |            | 51       |                 | 7        | 7          | $\top$  | ╁        | Н               |          |          |          | ┪        | 101        | $\neg$   |                 | 一         |          |          |          |          |          | П            |
| <b>-</b>   | 2        | _               | N        | T        | 十        | _        |          |              | H               |            |          |            | 52       | $\Box$          | 十        | $\top$     | $\top$  | $\top$   | П               | $\Box$   | $\neg$   |          | ┪        | 102        | $\neg$   | $\Box$          | ヿ         |          |          |          |          |          | П            |
|  | 3        |                 | N        | T        | ╅        | 寸        |          | _            | П               | 1          |          |            | 53       |                 | 丁        | 1          | 1       |          | П               |          |          |          | ヿ        | 103        |          |                 | ヿ         |          |          |          |          |          | П            |
|  | 4        | +               | N        |          |          |          |          |              | П               |            |          |            | 54       |                 |          |            |         |          |                 |          |          |          |          | 104        |          |                 |           |          |          |          |          |          |              |
|  | 5        | +               | N        |          |          |          |          |              |                 |            |          |            | 55       |                 | $\perp$  | $\perp$    | $\perp$ |          |                 |          |          |          | $\Box$   | 105        |          |                 |           |          |          |          |          |          |              |
|  | 6        | +               | N        |          |          |          |          |              | Ш               |            |          |            | 56       |                 |          |            |         |          | Ш               |          |          |          | $\Box$   | 106        |          |                 |           |          |          |          |          |          |              |
|  | 7        |                 | N        |          | $\perp$  | 4        | _        |              | Щ               | _          | _        |            | 57       |                 | _        | $\perp$    | $\perp$ | _        | Ш               |          |          | $\perp$  | _        | 107        |          | $\dashv$        | _         |          |          |          |          |          | oxdot        |
|  | 8        | $\overline{}$   | N        | .        | 4        | _        |          |              | Ц               | _          | <u> </u> |            | 58       |                 |          | $\perp$    | $\bot$  | ↓_       | Ш               | _        | Ш        | $\perp$  | 4        | 108        |          | 4               | _         |          |          |          |          |          | Ш            |
| ļ  | 9        | +               | 1        | _        | 4        | 4        | _        |              | Щ               | _          | <br> -   |            | 59       |                 | _        | +          | $\bot$  | _        |                 | _        | Ш        | <u> </u> | 4        | 109        |          | _               | _         |          |          |          |          |          | $\vdash$     |
| <u> </u>   | 10       | $\overline{}$   | N        | _        | 4        | 4        | 4        |              |                 | <b>⊣</b> i | $\vdash$ |            | 60       | Н               | _        | $\perp$    | +       | ╄        | $\vdash$        |          | Н        | $\vdash$ |          | 110        | _        | $\dashv$        | _         | _        |          |          |          |          | Щ.           |
|  | 11       | +               | √        | _        | 4        | 4        |          | _            | Н               | 괵          | L        |            | 61       | $\vdash$        | -        | +          | +-      | -        | Н               |          | Н        |          | -        | 111        | _        | $\dashv$        | _         | -        |          |          |          |          | $\vdash$     |
| <u> </u>   | 12       |                 | N        | -        | +        | -        | $\dashv$ | <u> </u>     | $\vdash \vdash$ | 괵          | $\vdash$ |            | 62       | H               | +        | +          | +       | ╄        | $\vdash$        | $\dashv$ | $\vdash$ | $\vdash$ | $\dashv$ | 112        |          | Н               |           | _        |          |          |          |          | $\vdash$     |
|  | 13       |                 | N        | +        | +        | $\dashv$ |          | <u> </u>     | Н               | 4          | $\vdash$ |            | 63       | $\vdash \vdash$ | -        | -          | +       | ┼-       | $\vdash \vdash$ | -        | H        | $\vdash$ | $\dashv$ | 113<br>114 | $\vdash$ | $\vdash$        | $\dashv$  | $\vdash$ |          | Н        | $\dashv$ |          | $\vdash$     |
|  | 14<br>15 |                 | N<br>N   | +        | $\dashv$ | $\dashv$ |          | -            | $\vdash$        | $\dashv$   | $\vdash$ |            | 64<br>65 | Н               | +        | +          | +       | ┼        | Н               | -        | Н        | $\vdash$ | $\dashv$ | 115        |          | $\dashv$        | $\dashv$  |          |          | Н        | -        |          | H            |
|  | 16       | _               | N        | $\dashv$ | $\dashv$ | $\dashv$ |          | <del> </del> | Н               | $\dashv$   | $\vdash$ |            | 66       | $\vdash$        | -+       | +          | +-      | ╁╌       | Н               | $\dashv$ | Н        | $\vdash$ | ┥        | 116        |          | $\dashv$        | ᅱ         |          |          | Н        | -        |          | Н            |
|  | 17       | +               | 7        | +        | +        | $\dashv$ | -        | -            | Н               | $\dashv$   | $\vdash$ |            | 67       | $\vdash$        | 十        | ╅          | +       | ╁        | Н               | $\dashv$ | -        | -        | -        | 117        |          | $\dashv$        |           |          |          | H        |          | _        | ┢╌           |
|  | 18       | _               | Ň        | $\dashv$ | +        | $\dashv$ | -        | ┝            | H               | ┥          | -        |            | 68       | $\vdash$        | +        | ╅          | +       | ╁        | Н               | $\dashv$ | $\vdash$ | $\vdash$ | -        | 118        |          | $\dashv$        | -         |          |          | -        | Н        | _        | <del> </del> |
|  | 19       |                 | N        |          | +        | $\dashv$ | -        | $\vdash$     | $\vdash$        |            | ⊢        |            | 69       | $\vdash$        | $\dashv$ | +          | +       | ╁        | Н               |          | Н        | <u> </u> | 7        | 119        |          | $\vdash$        |           |          |          | $\vdash$ | Н        |          | $\vdash$     |
|  | 20       | _               | N        | -+       | $\dashv$ | $\dashv$ | _        | $\vdash$     | Н               | ᅱ          | ⊢        |            | 70       | H               | +        | +          | +       | 十        | Н               |          | H        | -        | -        | 120        |          | H               |           |          |          | -        | H        |          | <b>—</b>     |
|  | 21       | $\rightarrow$   | N        | $\dashv$ | -†       | _        |          | $\vdash$     |                 |            | ⊢        |            | 71       | $\Box$          | +        | +          | +       | 1        | Н               |          | Н        |          | $\dashv$ | 121        |          | $\vdash$        | _         |          |          |          |          |          | Г            |
|  | 22       | _               | N        | $\dashv$ | 十        | 一        | $\neg$   | $\vdash$     |                 | $\neg$     | -        |            | 72       | $\Box$          | _        | ╅          | +       | †        | H               |          | Н        |          | ┪        | 122        |          |                 |           |          |          |          |          | -        | Г            |
|  | 23       | _               | N        |          | Ť        | $\neg$   |          |              |                 | $\neg$     |          |            | 73       | П               | $\top$   | 十          | +       | 1        | H               |          |          |          |          | 123        |          |                 |           |          |          |          |          |          | П            |
|  | 24       | +               | N        |          | T        |          |          |              |                 |            |          |            | 74       | Ħ               | T        | T          | T       |          | П               |          |          |          | ╗        | 124        |          |                 |           |          |          |          |          |          | П            |
|  | 25       | +               | √        | $\neg$   | $\top$   | $\neg$   |          |              |                 | T          |          |            | 75       | П               | 一        | ┪          | T       | T        | П               |          |          |          | 一        | 125        |          |                 |           |          |          |          |          |          | П            |
|  | 26       |                 |          | $\neg$   | $\neg$   |          |          |              |                 |            |          |            | 76       | П               | 1        | ┪          |         |          | П               |          | П        |          | $\neg$   | 126        |          | П               |           |          |          |          |          |          |              |
|  | 27       |                 |          |          |          | T        |          |              |                 |            |          |            | 77       |                 |          |            |         |          |                 |          |          |          |          | 127        |          |                 |           |          |          |          |          |          |              |
|  | 28       |                 |          |          |          |          |          |              |                 |            |          |            | 78       |                 |          |            |         |          |                 |          |          |          |          | 128        |          |                 |           |          |          |          |          |          |              |
|  | 29       |                 |          |          |          |          |          |              |                 |            |          |            | 79       |                 |          |            |         |          |                 |          |          |          |          | 129        |          |                 |           |          |          |          |          |          |              |
|  | 30       | $\Box$          |          | $\perp$  | $\perp$  | $\sqcup$ |          | L            | Ш               |            | L        |            | 80       | Ш               |          | $\perp$    |         | $\perp$  | Ш               |          | Ш        |          |          | 130        |          | Ш               |           |          |          | <u> </u> |          |          | Ш            |
|  | 31       |                 |          |          | $\perp$  | _        |          |              | Ш               | _          | L        |            | 81       | Ш               | _        |            |         | ↓_       |                 |          | Ц        | <u> </u> |          | 131        |          | Щ               |           |          |          | <u> </u> |          |          | _            |
|  | 32       |                 | _        |          | 4        | _        |          |              | Ш               |            | L        |            | 82       | $\sqcup$        | $\perp$  | _          | ╀       | 丄        | Ш               |          | Щ        | <u> </u> | _        | 132        |          | Щ               | _         |          |          | <u> </u> |          |          | <u> </u>     |
| <u> </u>   | 33       | $\sqcup$        | _        | $\dashv$ | +        |          | _        | ⊢            | Н               | _          | $\vdash$ |            | 83       | Н               | $\dashv$ | 4          | 4-      | ╀        | Н               | Щ        | Щ        | $\vdash$ | _        | 133        |          | $\sqcup$        | _         |          | _        | <u> </u> | Щ        |          | $\vdash$     |
| <u> </u>   | 34       | $\vdash \vdash$ | $\dashv$ | +        | $\dashv$ | $\dashv$ | _        | <u> </u>     | Н               | -          | <br>     |            | 84       | $\vdash \vdash$ | $\dashv$ | +          | +       | ┼        | Н               |          | Н        | $\vdash$ | $\dashv$ | 134        |          | $\vdash \dashv$ |           | Щ        |          |          | Ш        |          | $\vdash$     |
| <del> </del>                                     | 35       | $\vdash$        | _        | +        | +        | $\dashv$ | _        | -            | $\vdash$        | 괵          | <b> </b> |            | 85       | $\vdash \vdash$ | +        | +          |         | 1        | Н               |          | Н        | <u> </u> | -        | 135        |          | $\vdash \vdash$ | $\dashv$  |          | _        | -        | $\vdash$ |          | $\vdash$     |
| <u> </u>   | 36       | $\vdash$        |          | -        | +        |          | _        | $\vdash$     | $\vdash$        | 괵          | $\vdash$ |            | 86       | $\vdash \vdash$ | +        | +          | +       | $\vdash$ | Н               | -        | Н        | $\vdash$ | _        | 136        |          | ${oxdot}$       | $\dashv$  |          | _        | $\vdash$ | Н        |          | $\vdash$     |
| <u> </u>   | 37       | $\vdash \vdash$ | -        | +        | $\dashv$ | -        | -        | <u> </u>     |                 |            | $\vdash$ |            | 87       | $\vdash \vdash$ | $\dashv$ | +          | +       | ╂        | $\vdash \vdash$ | $\dashv$ | Н        | $\vdash$ | $\dashv$ | 137        |          | ${oxdot}$       |           | $\vdash$ |          | $\vdash$ | Н        |          | $\vdash$     |
| <u> </u>   | 38<br>39 | Н               | -        | +        | +        | $\dashv$ |          | $\vdash$     | Н               | ᅱ          | $\vdash$ |            | 88<br>89 | $\vdash \vdash$ | $\dashv$ | +          | +-      | +        | Н               | -        | H        | -        | -        | 138<br>139 |          | $\vdash \vdash$ | -         | $\vdash$ |          | $\vdash$ | Н        |          | $\vdash$     |
| <del>                                     </del> |          | $\vdash \vdash$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | -        | $\vdash$     | Н               |            | $\vdash$ |            | _        | $\vdash \vdash$ | $\dashv$ | +          | +       | +        | Н               | $\vdash$ | Н        | -        | $\dashv$ |            | _        | $\vdash \vdash$ | -         | -        |          | $\vdash$ | Н        | -        | $\vdash$     |
| $\vdash$   | 40       | $\vdash \vdash$ | $\dashv$ | $\dashv$ | +        | $\dashv$ | -        | ┝            | Н               | $\dashv$   | $\vdash$ |            | 90<br>91 | Н               | +        | +          | +       | ╁        | Н               | Н        | Н        | $\vdash$ | $\dashv$ | 140<br>141 |          | $\vdash \vdash$ | -         | $\vdash$ | $\vdash$ | H        | Н        | -        | <del> </del> |
|  | 42       | H               | $\dashv$ | +        | +        | $\dashv$ |          | $\vdash$     | Н               | $\dashv$   | -        |            | 92       | $\vdash$        | +        | +          | +       | ╁        | H               |          | Н        | -        |          | 142        |          | $\vdash$        | -         |          |          |          | Н        | -        | ├            |
|  | 43       | $\vdash \dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\vdash$     | ╁╌┤             | $\dashv$   | $\vdash$ |            | 93       | ╁╌┪             | +        | +          | +       | +        | ╁╌┤             | $\vdash$ | H        |          | ᅱ        | 143        |          | $\vdash \vdash$ | $\dashv$  |          | -        | $\vdash$ | Н        |          | $\vdash$     |
| -  | 44       | H               | ᅥ        | $\dashv$ | $\dashv$ | $\dashv$ | -        |              | $\vdash$        | -          | 一        |            | 94       |                 | $\dashv$ | +          | +       | +        | H               | $\vdash$ | Н        | $\vdash$ |          | 144        |          | $\vdash$        |           | H        | -        |          | H        | _        | $\vdash$     |
|  | 45       | $\vdash$        | $\dashv$ | $\dashv$ | 十        | $\dashv$ | $\dashv$ | $\vdash$     | Н               | $\neg$     |          |            | 95       | $\vdash$        | $\dashv$ | +          | +       | +        | H               | Н        | Н        |          | $\dashv$ | 145        |          | $\vdash$        | $\neg$    |          | $\vdash$ | $\vdash$ | Н        | $\vdash$ | _            |
|  | 46       | H               | ᅥ        | $\dashv$ | $\dashv$ | 寸        |          |              | Н               |            |          |            | 96       | H               | $\dashv$ | $\top$     | +       | $t^-$    | H               |          | Н        |          | $\neg$   | 146        |          | H               | $\neg$    |          |          |          |          | _        | $\vdash$     |
| <u> </u>   | 47       | Н               | ┪        | 十        | $\dashv$ | 一        |          | Н            | Н               | $\dashv$   | 一        |            | 97       | Н               | $\dashv$ | 十          | +       | 1-       | П               | Н        | H        |          |          | 147        |          | H               | 一         |          |          |          | Н        |          |              |
|  | 48       | Н               | ┪        | $\dashv$ | $\dashv$ | ┪        |          | $\vdash$     | П               | $\dashv$   |          |            | 98       | П               | $\dashv$ | 十          | $\top$  | T        | П               | П        | Н        |          | $\neg$   | 148        | _        | Н               | $\exists$ |          | П        |          | П        |          | $\vdash$     |
|  | 49       | П               | ヿ        | $\dashv$ | $\dashv$ | 寸        |          |              | П               |            |          |            | 99       | П               | $\dashv$ | $\top$     | $\top$  | T        | П               |          | П        |          |          | 149        |          | П               |           |          |          |          |          |          | Г            |
|  | 50       | П               |          |          | _        |          |          |              |                 |            |          |            | 100      |                 | $\dashv$ | 7          | 7       | T        |                 |          | П        |          |          | 150        |          | П               |           |          |          |          |          |          | $\vdash$     |